

**Table C-38. Federal obligations for applied research, by agency and performer:  
fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total, all agencies .....	14,677,941	5,074,929	3,506,718	578,882	3,420,273	797,331	921,935	134,913	142,683	100,277	
Departments:											
Department of Agriculture, total .....	704,649	451,221	5,020	0	237,983	0	7,260	0	1,327	1,838	
Agricultural Marketing Service .....	4,180	3,699	0	0	481	0	0	0	0	0	
Agricultural Research Service <sup>2</sup> .....	259,642	246,576	0	0	9,995	0	1,478	0	107	1,486	
Cooperative State Research, Education, & Extension Service <sup>3</sup> .....	231,720	10,765	4,849	0	210,475	0	4,722	0	909	0	
Economic Research Service .....	48,444	45,579	0	0	2,865	0	0	0	0	0	
Foreign Agricultural Service <sup>4</sup> .....	114	86	0	0	28	0	0	0	0	0	
Forest Service .....	154,807	138,954	171	0	13,989	0	1,030	0	311	352	
Grain Inspection Packers & Stockyards Administration <sup>5</sup> .....	1,484	1,484	0	0	0	0	0	0	0	0	
Nat'l Agricultural Statistics Svc .....	2,697	2,522	0	0	145	0	30	0	0	0	
Rural Business-Cooperative Svc <sup>6</sup> .....	1,561	1,556	0	0	5	0	0	0	0	0	
Department of Commerce, total .....	853,060	558,301	208,470	0	78,894	4	2,325	0	4,388	678	
Bureau of the Census .....	2,618	2,618	0	0	0	0	0	0	0	0	
Economic Development Admin .....	521	10	461	0	0	0	50	0	0	0	
National Inst of Standards & Tech .....	333,145	154,672	168,286	0	7,876	4	1,659	0	0	648	
Nat'l Oceanic & Atmospheric Admin .....	510,362	394,617	39,723	0	71,018	0	616	0	4,388	0	
National Telecommunications & Information Administration .....	6,383	6,383	0	0	0	0	0	0	0	0	
Office of the Secretary .....	31	1	0	0	0	0	0	0	0	30	
Department of Defense, total .....	3,069,821	1,243,191	1,335,655	17,650	349,195	65,455	38,181	13,661	0	6,833	
Department of the Army .....	633,273	415,590	179,512	2,640	24,066	2,362	5,399	997	0	2,707	
Department of the Navy .....	470,533	241,854	184,064	0	37,643	3,319	1,882	1,771	0	0	
Department of the Air Force .....	627,683	359,088	226,760	329	31,533	4,813	3,473	1,310	0	377	
Defense Agencies, total .....	1,338,332	226,659	745,319	14,681	255,953	54,961	27,427	9,583	0	3,749	
Ballistic Missile Defense Organization .....	93,811	14,980	60,231	0	10,268	4,878	0	2,294	0	1,160	
Defense Advanced Research Projects Agency <sup>7</sup> .....	826,817	54,191	507,015	3,321	198,162	34,704	23,346	4,422	0	1,656	
Defense Information Systems Agency .....	1,717	1,717	0	0	0	0	0	0	0	0	
Defense Logistics Agency .....	7,062	7,062	0	0	0	0	0	0	0	0	
Defense Nuclear Agency .....	209,033	47,118	137,497	3,910	4,638	12,765	2,172	0	0	933	
Special Operations Command .....	39,913	22,883	17,030	0	0	0	0	0	0	0	
Washington Headquarters Svcs <sup>8</sup> .....	159,979	78,708	23,546	7,450	42,885	2,614	1,909	2,867	0	0	
Department of Education .....	132,817	6,947	3,728	0	87,784	0	28,924	0	5,434	0	
Department of Energy .....	1,825,581	193,835	224,079	482,107	188,750	582,427	38,100	85,165	8,835	22,283	
Dept of Health & Human Svcs, total .....	4,014,893	1,051,103	234,305	47,724	2,044,197	7,332	538,789	8,271	69,662	13,510	
Administration on Aging .....	3,000	171	0	0	1,500	0	1,160	0	169	0	
Admin for Children & Families .....	11,200	224	0	0	9,856	0	1,075	0	45	0	
Agcy for Hlth Care Policy & Rsch .....	124,000	15,290	30,204	0	50,138	0	27,539	0	0	829	
Centers for Disease Control & Prevention .....	317,385	275,498	1,058	0	31,700	237	8,645	67	180	0	
Food & Drug Administration .....	170,462	153,932	0	0	9,856	0	6,674	0	0	0	
Health Care Financing Admin .....	74,537	64	27,270	0	5,838	0	19,199	0	21,876	290	
Health Resources & Services Admin .....	11,201	1,472	0	0	7,229	0	2,500	0	0	0	
National Institutes of Health <sup>9</sup> .....	3,273,555	590,091	172,646	47,724	1,925,342	7,095	467,788	8,204	42,274	12,391	
Office of the Secretary .....	9,121	3,750	1,414	0	1,499	0	2,183	0	275	0	
Social Security Administration <sup>10</sup> .....	20,432	10,611	1,713	0	1,239	0	2,026	0	4,843	0	

See explanatory information, if any, and SOURCE at end of table.

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[Dollars in thousands]

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Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Dept of Housing & Urban Dvlpmnt .....	14,180	7,401	595	0	1,294	0	4,890	0	0	0
Department of the Interior, total .....	477,257	423,487	6,716	85	44,428	530	595	0	419	997
Bureau of Reclamation .....	5,997	5,082	0	0	570	0	345	0	0	0
Geological Survey <sup>11</sup> .....	306,248	284,367	1,311	0	20,570	0	0	0	0	0
Minerals Management Service .....	20,010	5,943	3,712	85	8,324	530	0	0	419	997
National Biological Service <sup>12 11</sup> .....	125,810	119,296	53	0	6,256	0	205	0	0	0
National Park Service <sup>12</sup> .....	19,192	8,799	1,640	0	8,708	0	45	0	0	0
Department of Justice, total .....	17,707	2,923	665	0	2,161	0	10,288	0	1,670	0
Bureau of Prisons .....	3,249	2,068	0	0	0	0	0	0	1,181	0
Immigration & Naturalization Svc .....	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs .....	14,058	815	665	0	2,161	0	9,928	0	489	0
Department of Labor, total .....	16,648	6,712	7,136	0	644	0	1,761	0	395	0
Bureau of Labor Statistics .....	1,500	1,500	0	0	0	0	0	0	0	0
Employment & Training Admin .....	4,206	1,144	1,000	0	592	0	1,075	0	395	0
Occupational Safety & Hlth Admin .....	4,370	1,286	3,084	0	0	0	0	0	0	0
Office of the Secretary .....	2,872	1,942	892	0	12	0	26	0	0	0
Pension Benefit Guaranty Corp .....	102	52	50	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin .....	3,598	788	2,110	0	40	0	660	0	0	0
Department of State .....	500	335	101	0	0	23	41	0	0	0
Department of Transportation, total .....	323,866	133,863	95,712	400	30,536	3,115	15,717	967	43,368	188
Coast Guard .....	4,930	3,360	1,070	0	500	0	0	0	0	0
Federal Aviation Administration .....	83,291	42,444	30,435	0	6,180	3,115	0	967	0	150
Federal Highway Administration .....	156,268	50,744	44,701	400	13,303	0	5,000	0	42,120	0
Federal Railroad Administration .....	22,545	12,702	3,278	0	1,200	0	5,340	0	0	25
Federal Transit Administration .....	10,866	1,002	1,660	0	2,850	0	4,106	0	1,248	0
Maritime Administration .....	2,450	723	969	0	503	0	242	0	0	13
National Highway Traffic Safety Administration .....	39,707	20,865	11,813	0	6,000	0	1,029	0	0	0
Office of the Secretary .....	590	90	500	0	0	0	0	0	0	0
Research & Special Programs Admin ..	3,219	1,933	1,286	0	0	0	0	0	0	0
Department of the Treasury, total .....	48,887	29,215	976	0	0	1,496	0	17,200	0	0
Bureau of Engraving & Printing .....	1,283	1,099	0	0	0	184	0	0	0	0
Internal Revenue Service .....	45,797	27,285	0	0	0	1,312	0	17,200	0	0
Office of Thrift Supervision .....	550	550	0	0	0	0	0	0	0	0
United States Customs Service .....	710	40	670	0	0	0	0	0	0	0
United States Secret Service <sup>13</sup> .....	547	241	306	0	0	0	0	0	0	0
Department of Veterans Affairs .....	206,416	205,416	0	0	1,000	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-38. Federal obligations for applied research, by agency and performer:  
fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural							Foreign
			United States and territories							
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations .....	1,413	1,413	0	0	0	0	0	0	0	0
Appalachian Regional Commission .....	900	100	300	0	500	0	0	0	0	0
Environmental Protection Agency .....	331,330	134,954	90,169	0	75,528	0	24,749	0	3,830	2,100
Federal Communications Commission ....	2,268	2,268	0	0	0	0	0	0	0	0
Federal Trade Commission .....	564	564	0	0	0	0	0	0	0	0
International Development Cooperation										
Agency, total .....	270,382	56,781	11,086	0	28,660	0	139,787	0	0	34,068
Agency for Internat'l Dvlpmnt .....	270,382	56,781	11,086	0	28,660	0	139,787	0	0	34,068
Library of Congress .....	1,594	1,594	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin .....	2,067,896	516,974	1,249,402	0	107,421	120,780	60,810	559	1,246	10,704
National Archives & Records Admin .....	120	120	0	0	0	0	0	0	0	0
National Science Foundation .....	176,013	677	27,611	0	135,208	71	8,568	4	2,109	1,765
Nuclear Regulatory Commission .....	88,212	15,463	4,096	30,916	6,090	16,098	1,150	9,086	0	5,313
Tennessee Valley Authority .....	17,380	17,380	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agcy ...	1,146	250	896	0	0	0	0	0	0	0
United States Information Agency .....	289	289	0	0	0	0	0	0	0	0
US Internat'l Trade Commission .....	12,152	12,152	0	0	0	0	0	0	0	0

<sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

<sup>2</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

<sup>3</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

<sup>4</sup> The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

<sup>5</sup> The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.

<sup>6</sup> This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.

<sup>7</sup> This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

<sup>8</sup> Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

<sup>9</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>10</sup> As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

<sup>11</sup> As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

<sup>12</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

<sup>13</sup> The United States Secret Service was formerly listed as the Office of Protective Research.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-39. Preliminary Federal obligations for applied research, by agency and performer:  
fiscal year 1996**

[Dollars in thousands]

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Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural								Foreign
			United States and territories								
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts		
Total, all agencies .....	14,095,711	4,990,398	3,447,069	537,736	3,166,309	582,193	1,038,854	112,065	128,528	92,559	
Departments:											
Department of Agriculture, total .....	685,762	438,808	4,905	0	230,973	0	8,223	0	1,317	1,536	
Agricultural Marketing Service .....	4,237	4,237	0	0	0	0	0	0	0	0	
Agricultural Research Service <sup>2</sup> .....	258,728	244,475	0	0	10,518	0	2,444	0	107	1,184	
Cooperative State Research, Education, & Extension Service <sup>3</sup> .....	225,419	10,649	4,734	0	204,417	0	4,719	0	900	0	
Economic Research Service .....	47,818	46,124	0	0	1,694	0	0	0	0	0	
Foreign Agricultural Service <sup>4</sup> .....	355	89	0	0	266	0	0	0	0	0	
Forest Service .....	142,400	126,549	171	0	13,988	0	1,030	0	310	352	
Grain Inspection Packers & Stockyards Administration <sup>5</sup> .....	2,797	2,797	0	0	0	0	0	0	0	0	
Nat'l Agricultural Statistics Svc .....	2,608	2,488	0	0	90	0	30	0	0	0	
Rural Business-Cooperative Svc <sup>6</sup> .....	1,400	1,400	0	0	0	0	0	0	0	0	
Department of Commerce, total .....	860,512	582,374	199,636	0	70,915	54	3,638	0	3,098	797	
Bureau of the Census .....	2,564	2,564	0	0	0	0	0	0	0	0	
Economic Development Admin .....	500	10	200	0	0	0	290	0	0	0	
National Inst of Standards & Tech .....	371,790	163,961	197,864	0	7,260	4	1,931	0	0	770	
Nat'l Oceanic & Atmospheric Admin .....	481,151	411,359	1,572	0	63,655	50	1,417	0	3,098	0	
National Telecommunications & Information Administration .....	4,479	4,479	0	0	0	0	0	0	0	0	
Office of the Secretary .....	28	1	0	0	0	0	0	0	0	27	
Department of Defense, total .....	2,814,272	1,129,487	1,186,274	10,678	367,004	52,288	43,176	17,717	0	7,648	
Department of the Army .....	458,641	315,074	110,920	540	18,795	264	10,405	359	0	2,284	
Department of the Navy .....	568,346	278,490	238,655	0	45,468	1,705	2,273	1,755	0	0	
Department of the Air Force .....	648,131	371,220	224,803	777	34,820	4,292	6,397	5,176	0	646	
Defense Agencies, total .....	1,139,154	164,703	611,896	9,361	267,921	46,027	24,101	10,427	0	4,718	
Ballistic Missile Defense Organization .....	74,594	11,834	40,327	0	13,286	7,400	33	714	0	1,000	
Defense Advanced Research Projects Agency <sup>7</sup> .....	711,626	41,670	435,514	3,241	182,297	18,739	21,413	7,431	0	1,321	
Defense Information Systems Agency .....	1,455	1,455	0	0	0	0	0	0	0	0	
Defense Logistics Agency .....	7,981	7,981	0	0	0	0	0	0	0	0	
Defense Nuclear Agency .....	168,417	35,962	115,196	2,842	768	9,582	1,670	0	0	2,397	
Special Operations Command .....	21,787	12,491	9,296	0	0	0	0	0	0	0	
Washington Headquarters Svcs <sup>8</sup> .....	153,294	53,310	11,563	3,278	71,570	10,306	985	2,282	0	0	
Department of Education .....	138,164	6,479	6,863	0	96,375	0	24,262	0	4,185	0	
Department of Energy .....	1,342,767	135,259	167,054	414,380	93,837	416,824	25,960	66,870	6,245	16,338	
Dept of Health & Human Svcs, total .....	4,083,076	1,091,584	241,523	88,852	1,896,731	3,837	667,382	10,703	65,953	16,511	
Admin for Children & Families .....	8,300	166	0	0	7,304	0	830	0	0	0	
Agcy for Hlth Care Policy & Rsch .....	59,000	10,923	13,462	0	22,115	0	12,500	0	0	0	
Centers for Disease Control & Prevention .....	323,181	281,294	1,058	0	31,700	237	8,645	67	180	0	
Food & Drug Administration .....	170,462	153,932	0	0	9,856	0	6,674	0	0	0	
Health Care Financing Admin .....	54,500	40	23,900	0	5,200	0	13,928	0	11,120	312	
Health Resources & Services Admin .....	10,963	1,277	0	0	7,197	0	2,489	0	0	0	
National Institutes of Health <sup>9</sup> .....	3,447,670	640,452	201,103	88,852	1,811,359	3,600	620,816	10,636	54,653	16,199	
Office of the Secretary .....	9,000	3,500	2,000	0	2,000	0	1,500	0	0	0	

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Dept of Housing & Urban Dvlpmnt .....	12,162	8,502	1,206	0	531	0	1,923	0	0	0
Department of the Interior, total .....	483,740	428,652	5,633	20	47,366	350	220	0	226	1,273
Bureau of Reclamation .....	4,523	4,058	0	0	300	0	165	0	0	0
Geological Survey <sup>10</sup> .....	439,069	407,907	1,312	0	29,850	0	0	0	0	0
Minerals Management Service .....	20,774	7,731	2,681	20	8,483	350	10	0	226	1,273
National Park Service <sup>11</sup> .....	19,374	8,956	1,640	0	8,733	0	45	0	0	0
Department of Justice, total .....	18,919	3,285	500	0	2,975	0	11,559	0	600	0
Bureau of Prisons .....	1,900	1,900	0	0	0	0	0	0	0	0
Drug Enforcement Administration .....	45	45	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc .....	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs .....	16,574	1,300	500	0	2,975	0	11,199	0	600	0
Department of Labor, total .....	13,187	6,344	5,618	0	250	0	975	0	0	0
Bureau of Labor Statistics .....	1,800	1,800	0	0	0	0	0	0	0	0
Employment & Training Admin .....	3,023	850	973	0	250	0	950	0	0	0
Occupational Safety & Hlth Admin .....	3,175	935	2,240	0	0	0	0	0	0	0
Office of the Secretary .....	2,871	1,918	928	0	0	0	25	0	0	0
Pension Benefit Guaranty Corp .....	53	53	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin .....	2,265	788	1,477	0	0	0	0	0	0	0
Department of State .....	500	335	101	0	23	41	0	0	0	0
Department of Transportation, total .....	288,251	113,600	87,863	535	29,388	1,811	15,962	603	38,404	85
Coast Guard .....	5,010	3,383	1,227	0	400	0	0	0	0	0
Federal Aviation Administration .....	60,373	31,819	21,734	120	4,226	1,811	0	603	0	60
Federal Highway Administration .....	152,405	46,406	44,526	415	14,692	0	7,962	0	38,404	0
Federal Railroad Administration .....	19,913	9,106	3,712	0	1,670	0	5,400	0	0	25
Federal Transit Administration .....	5,515	1,115	400	0	2,400	0	1,600	0	0	0
National Highway Traffic Safety Administration .....	38,185	19,209	11,976	0	6,000	0	1,000	0	0	0
Research & Special Programs Admin ..	6,850	2,562	4,288	0	0	0	0	0	0	0
Department of the Treasury, total .....	50,209	34,116	920	0	557	116	0	14,500	0	0
Bureau of Engraving & Printing .....	1,223	1,107	0	0	0	116	0	0	0	0
Internal Revenue Service .....	47,196	32,139	0	0	557	0	0	14,500	0	0
Office of Thrift Supervision .....	546	546	0	0	0	0	0	0	0	0
United States Customs Service .....	660	60	600	0	0	0	0	0	0	0
United States Secret Service <sup>12</sup> .....	584	264	320	0	0	0	0	0	0	0
Department of Veterans Affairs .....	239,441	238,591	0	0	850	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-39. Preliminary Federal obligations for applied research, by agency and performer:  
fiscal year 1996**

[Dollars in thousands]

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Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural							Foreign
			United States and territories							
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations .....	1,402	1,402	0	0	0	0	0	0	0	0
Appalachian Regional Commission .....	900	100	100	0	700	0	0	0	0	0
Environmental Protection Agency .....	286,256	116,595	77,902	0	65,253	0	21,382	0	3,309	1,815
Federal Communications Commission .....	2,819	2,819	0	0	0	0	0	0	0	0
Federal Trade Commission .....	981	981	0	0	0	0	0	0	0	0
International Development Cooperation										
Agency, total .....	224,305	33,197	9,421	0	17,944	0	133,910	0	0	29,833
Agency for Internat'l Dvlpmt .....	224,305	33,197	9,421	0	17,944	0	133,910	0	0	29,833
Library of Congress .....	1,385	1,385	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin .....	2,272,339	568,085	1,418,350	0	107,421	95,997	69,439	611	1,329	11,107
National Archives & Records Admin .....	120	120	0	0	0	0	0	0	0	0
National Science Foundation .....	174,036	495	27,480	0	134,346	72	7,839	4	2,019	1,781
Nuclear Regulatory Commission .....	59,184	13,872	3,632	23,271	2,155	10,803	559	1,057	0	3,835
Social Security Administration <sup>13</sup> .....	8,292	1,656	1,633	0	715	0	2,445	0	1,843	0
Tennessee Valley Authority .....	19,340	19,340	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agcy ...	545	90	455	0	0	0	0	0	0	0
United States Information Agency .....	150	150	0	0	0	0	0	0	0	0
US Internat'l Trade Commission .....	12,695	12,695	0	0	0	0	0	0	0	0

- <sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.
- <sup>2</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- <sup>3</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- <sup>4</sup> The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- <sup>5</sup> The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- <sup>6</sup> This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- <sup>7</sup> This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- <sup>8</sup> Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- <sup>9</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- <sup>10</sup> As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- <sup>11</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- <sup>12</sup> The United States Secret Service was formerly listed as the Office of Protective Research.
- <sup>13</sup> As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-40. Preliminary Federal obligations for applied research, by agency and performer:  
fiscal year 1997**

[Dollars in thousands]

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Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by indus- trial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Total, all agencies .....	14,441,282	5,028,332	3,520,649	637,214	3,417,800	611,390	929,723	108,661	114,707	72,806
Departments:										
Department of Agriculture, total .....	678,441	449,070	5,569	0	217,927	0	3,022	0	1,317	1,536
Agricultural Marketing Service .....	4,271	4,271	0	0	0	0	0	0	0	0
Agricultural Research Service <sup>2</sup> .....	264,715	251,872	0	0	10,518	0	1,034	0	107	1,184
Cooperative State Research, Education, & Extension Service <sup>3</sup> .....	208,945	10,348	5,398	0	191,371	0	928	0	900	0
Economic Research Service .....	49,452	47,758	0	0	1,694	0	0	0	0	0
Foreign Agricultural Service <sup>4</sup> .....	355	89	0	0	266	0	0	0	0	0
Forest Service .....	143,829	127,978	171	0	13,988	0	1,030	0	310	352
Grain Inspection Packers & Stockyards Administration <sup>5</sup> .....	2,830	2,830	0	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc .....	2,644	2,524	0	0	90	0	30	0	0	0
Rural Business-Cooperative Svc <sup>6</sup> .....	1,400	1,400	0	0	0	0	0	0	0	0
Department of Commerce, total .....	829,786	604,814	152,475	0	64,489	54	4,246	0	3,092	616
Bureau of the Census .....	2,564	2,564	0	0	0	0	0	0	0	0
Economic Development Admin .....	1,500	30	600	0	0	0	870	0	0	0
National Inst of Standards & Tech .....	327,834	167,620	150,198	0	7,757	4	1,639	0	0	616
Nat'l Oceanic & Atmospheric Admin .....	493,143	429,855	1,677	0	56,732	50	1,737	0	3,092	0
National Telecommunications & Information Administration .....	4,745	4,745	0	0	0	0	0	0	0	0
Department of Defense, total .....	2,715,785	1,073,274	1,191,704	8,231	320,953	64,576	38,766	13,689	0	4,592
Department of the Army .....	467,291	318,834	118,040	540	18,460	1,025	8,438	688	0	1,266
Department of the Navy .....	466,971	228,816	197,061	0	37,358	1,401	1,868	467	0	0
Department of the Air Force .....	638,576	367,665	221,347	747	32,913	4,541	5,447	5,332	0	584
Defense Agencies, total .....	1,142,947	157,959	655,256	6,944	232,222	57,609	23,013	7,202	0	2,742
Ballistic Missile Defense Organization .....	86,377	15,971	49,302	0	13,663	5,963	0	478	0	1,000
Defense Advanced Research Projects Agency <sup>7</sup> .....	722,751	43,940	450,762	2,169	177,400	23,258	20,945	3,702	0	575
Defense Information Systems Agency .....	1,849	1,849	0	0	0	0	0	0	0	0
Defense Logistics Agency .....	7,785	7,785	0	0	0	0	0	0	0	0
Defense Nuclear Agency .....	196,954	41,405	141,511	1,498	682	9,482	1,049	160	0	1,167
Special Operations Command .....	15,048	8,627	6,421	0	0	0	0	0	0	0
Washington Headquarters Svcs <sup>8</sup> .....	112,183	38,382	7,260	3,277	40,477	18,906	1,019	2,862	0	0
Department of Education .....	139,773	6,808	5,448	0	96,699	0	25,701	0	5,117	0
Department of Energy .....	1,540,558	183,374	172,981	529,075	93,092	438,612	35,519	68,566	5,903	13,436
Dept of Health & Human Svcs, total .....	4,209,864	1,046,659	221,794	76,097	2,204,026	3,326	579,038	9,193	55,537	14,194
Admin for Children & Families .....	17,522	351	0	0	15,419	0	1,752	0	0	0
Agcy for Hlth Care Policy & Rsch .....	77,000	18,715	16,320	0	26,811	0	15,154	0	0	0
Centers for Disease Control & Prevention .....	361,181	319,294	1,058	0	31,700	237	8,645	67	180	0
Food & Drug Administration .....	170,462	153,932	0	0	9,856	0	6,674	0	0	0
Health Care Financing Admin .....	55,310	51	29,724	0	6,605	0	10,173	0	8,463	294
Health Resources & Services Admin .....	10,868	1,291	0	0	7,116	0	2,461	0	0	0
National Institutes of Health <sup>9</sup> .....	3,508,521	549,525	172,692	76,097	2,104,519	3,089	532,679	9,126	46,894	13,900
Office of the Secretary .....	9,000	3,500	2,000	0	2,000	0	1,500	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-40. Preliminary Federal obligations for applied research, by agency and performer:  
fiscal year 1997**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Dept of Housing & Urban Dvlpmnt .....	16,690	11,612	1,100	0	370	0	3,608	0	0	0
Department of the Interior, total .....	489,214	441,233	5,740	20	40,589	350	55	0	226	1,001
Bureau of Reclamation .....	5,730	5,655	0	0	75	0	0	0	0	0
Geological Survey <sup>10</sup> .....	442,618	418,398	1,420	0	22,800	0	0	0	0	0
Minerals Management Service .....	20,579	7,809	2,680	20	8,483	350	10	0	226	1,001
National Park Service <sup>11</sup> .....	20,287	9,371	1,640	0	9,231	0	45	0	0	0
Department of Justice, total .....	22,811	5,076	500	0	3,175	0	13,660	0	400	0
Bureau of Prisons .....	1,900	1,900	0	0	0	0	0	0	0	0
Drug Enforcement Administration .....	50	50	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc .....	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs .....	20,461	3,086	500	0	3,175	0	13,300	0	400	0
Department of Labor, total .....	12,470	5,770	5,566	0	150	0	984	0	0	0
Bureau of Labor Statistics .....	1,300	1,300	0	0	0	0	0	0	0	0
Employment & Training Admin .....	2,375	681	810	0	150	0	734	0	0	0
Occupational Safety & Hlth Admin .....	3,495	1,029	2,466	0	0	0	0	0	0	0
Office of the Secretary .....	2,918	1,918	750	0	0	0	250	0	0	0
Pension Benefit Guaranty Corp .....	54	54	0	0	0	0	0	0	0	0
Pension & Welfare Benefits Admin .....	2,328	788	1,540	0	0	0	0	0	0	0
Department of State .....	500	335	101	0	23	41	0	0	0	0
Department of Transportation, total .....	339,998	147,964	109,881	541	29,291	2,027	13,915	675	35,634	70
Coast Guard .....	4,944	3,370	1,274	0	300	0	0	0	0	0
Federal Aviation Administration .....	67,570	35,608	24,325	135	4,730	2,027	0	675	0	70
Federal Highway Administration .....	181,043	65,662	59,284	406	14,201	0	6,356	0	35,134	0
Federal Railroad Administration .....	23,495	14,451	2,450	0	1,510	0	5,084	0	0	0
Federal Transit Administration .....	5,802	1,102	500	0	2,400	0	1,300	0	500	0
Maritime Administration .....	2,006	454	1,227	0	150	0	175	0	0	0
National Highway Traffic Safety Administration .....	45,663	23,681	14,982	0	6,000	0	1,000	0	0	0
Research & Special Programs Admin ..	9,475	3,636	5,839	0	0	0	0	0	0	0
Department of the Treasury, total .....	53,872	38,341	950	0	32	49	0	14,500	0	0
Bureau of Engraving & Printing .....	1,144	1,095	0	0	0	49	0	0	0	0
Internal Revenue Service .....	50,830	36,298	0	0	32	0	0	14,500	0	0
Office of Thrift Supervision .....	583	583	0	0	0	0	0	0	0	0
United States Customs Service .....	700	70	630	0	0	0	0	0	0	0
United States Secret Service <sup>12</sup> .....	615	295	320	0	0	0	0	0	0	0
Department of Veterans Affairs .....	222,520	221,670	0	0	850	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.



**Table C-40. Preliminary Federal obligations for applied research, by agency and performer:  
fiscal year 1997**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intra- mural <sup>1</sup>	Extramural							
			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Other agencies:										
Appalachian Regional Commission .....	900	100	100	0	700	0	0	0	0	0
Environmental Protection Agency .....	335,468	136,639	91,295	0	76,471	0	25,058	0	3,878	2,127
Federal Communications Commission ....	2,749	2,749	0	0	0	0	0	0	0	0
Federal Trade Commission .....	1,034	1,034	0	0	0	0	0	0	0	0
International Development Cooperation Agency, total .....	167,870	18,969	9,569	0	12,422	0	107,437	0	0	19,473
Agency for Internat'l Dvlpmt .....	167,870	18,969	9,569	0	12,422	0	107,437	0	0	19,473
Library of Congress .....	1,428	1,428	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin .....	2,355,587	588,897	1,484,756	0	107,421	89,618	71,152	629	1,433	11,681
National Archives & Records Admin .....	120	120	0	0	0	0	0	0	0	0
National Science Foundation .....	189,303	532	34,419	0	143,851	71	6,482	0	2,148	1,800
Nuclear Regulatory Commission .....	59,014	13,760	2,035	23,250	3,224	12,666	390	1,409	0	2,280
Social Security Administration <sup>13</sup> .....	27,698	1,075	23,866	0	2,045	0	690	0	22	0
Tennessee Valley Authority .....	14,182	14,182	0	0	0	0	0	0	0	0
US Arms Control & Disarmament Agcy ...	1,000	200	800	0	0	0	0	0	0	0
United States Information Agency .....	136	136	0	0	0	0	0	0	0	0
US Internat'l Trade Commission .....	12,511	12,511	0	0	0	0	0	0	0	0

- <sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.
- <sup>2</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- <sup>3</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- <sup>4</sup> The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- <sup>5</sup> The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- <sup>6</sup> This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- <sup>7</sup> This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- <sup>8</sup> Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- <sup>9</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- <sup>10</sup> As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- <sup>11</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- <sup>12</sup> The United States Secret Service was formerly listed as the Office of Protective Research.
- <sup>13</sup> As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** FFRDCs = Federally funded research and development centers

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-41. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997**

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields .....	14,677,941	14,095,711	14,441,282
Life sciences, total .....	5,224,137	5,253,977	5,256,213
Biological (excluding environmental) .....	1,605,244	NA	NA
Environmental biology .....	601,717	NA	NA
Agricultural .....	365,751	NA	NA
Medical .....	2,364,013	NA	NA
Life sciences, n.e.c. ....	287,412	NA	NA
Psychology, total .....	345,247	352,746	355,855
Biological aspects .....	28,081	NA	NA
Social aspects .....	134,073	NA	NA
Psychological sciences, n.e.c. ....	183,093	NA	NA
Physical sciences, total .....	1,418,542	1,161,725	1,212,600
Astronomy .....	32,901	NA	NA
Chemistry .....	309,102	NA	NA
Physics .....	943,798	NA	NA
Physical sciences, n.e.c. ....	132,741	NA	NA
Environmental sciences, total .....	1,474,178	1,411,410	1,459,057
Atmospheric .....	482,068	NA	NA
Geological .....	410,491	NA	NA
Oceanography .....	238,139	NA	NA
Environmental sciences, n.e.c. ....	343,480	NA	NA
Mathematics & computer sciences, total .....	976,915	910,483	941,505
Mathematics .....	94,638	NA	NA
Computer sciences .....	697,585	NA	NA
Mathematics & computer sciences, n.e.c. ....	184,692	NA	NA
Engineering, total .....	4,272,015	4,116,045	4,254,452
Aeronautical .....	977,616	NA	NA
Astronautical .....	480,387	NA	NA
Chemical .....	184,896	NA	NA
Civil .....	269,298	NA	NA
Electrical .....	552,292	NA	NA
Mechanical .....	248,184	NA	NA
Metallurgy & materials .....	447,269	NA	NA
Engineering, n.e.c. ....	1,112,073	NA	NA
Social sciences, total .....	472,039	454,837	500,889
Anthropology .....	6,611	NA	NA
Economics .....	161,806	NA	NA
Political science .....	15,232	NA	NA
Sociology .....	33,533	NA	NA
Social sciences, n.e.c. ....	254,857	NA	NA
Other sciences, n.e.c. ....	494,868	434,488	460,711

**NOTES:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

**KEY:** NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)  
n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies .....	14,677,941	5,224,137	345,247	1,418,542	1,474,178	976,915	4,272,015	472,039	494,868
Departments:									
Department of Agriculture, total .....	704,649	477,910	403	48,136	9,293	14,376	54,656	96,395	3,480
Agricultural Marketing Service .....	4,180	4,180	0	0	0	0	0	0	0
Agricultural Research Service <sup>1</sup> .....	259,642	223,335	0	26,650	2,045	1,048	6,564	0	0
Cooperative State Research, Education, & Extension Service <sup>2</sup> .....	231,720	159,092	0	15,874	1,953	0	20,371	34,430	0
Economic Research Service .....	48,444	0	0	0	0	0	0	48,444	0
Foreign Agricultural Service <sup>3</sup> .....	114	114	0	0	0	0	0	0	0
Forest Service .....	154,807	89,705	403	5,612	5,295	10,631	27,721	11,960	3,480
Grain Inspection Packers & Stockyards Administration <sup>4</sup> .....	1,484	1,484	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc .....	2,697	0	0	0	0	2,697	0	0	0
Rural Business-Cooperative Svc <sup>5</sup> .....	1,561	0	0	0	0	0	0	1,561	0
Department of Commerce, total .....	853,060	150,274	228	74,408	290,536	101,673	179,671	18,827	37,443
Bureau of the Census .....	2,618	0	228	0	0	1,649	0	678	63
Economic Development Admin .....	521	0	0	0	0	0	0	521	0
National Inst of Standards & Tech .....	333,145	33,233	0	52,967	165	82,722	163,875	183	0
Nat'l Oceanic & Atmospheric Admin .....	510,362	117,041	0	21,441	290,371	17,302	9,413	17,445	37,349
National Telecommunications & Information Administration .....	6,383	0	0	0	0	0	6,383	0	0
Office of the Secretary .....	31	0	0	0	0	0	0	0	31
Department of Defense, total .....	3,069,821	245,122	89,624	356,906	183,058	531,498	1,545,815	488	117,310
Department of the Army .....	633,273	124,841	9,907	58,538	29,377	80,418	322,964	488	6,740
Department of the Navy .....	470,533	13,740	13,881	125,115	16,280	16,233	281,284	0	4,000
Department of the Air Force .....	627,683	54,276	58,112	98,108	7,781	79,296	322,780	0	7,330
Defense Agencies, total .....	1,338,332	52,265	7,724	75,145	129,620	355,551	618,787	0	99,240
Ballistic Missile Defense Organization .....	93,811	0	0	16,232	4,553	23,501	46,225	0	3,300
Defense Advanced Research Projects Agency <sup>6</sup> .....	826,817	0	0	7,724	23,844	325,576	462,077	0	7,596
Defense Information Systems Agency .....	1,717	0	0	0	0	0	0	0	1,717
Defense Logistics Agency .....	7,062	0	7,062	0	0	0	0	0	0
Defense Nuclear Agency .....	209,033	4,411	0	46,189	12,490	2,838	57,480	0	85,625
Special Operations Command .....	39,913	1,218	0	0	0	0	37,693	0	1,002
Washington Headquarters Svcs <sup>7</sup> .....	159,979	46,636	662	5,000	88,733	3,636	15,312	0	0
Department of Education .....	132,817	11,973	3,688	0	0	1,229	5,737	110,190	0
Department of Energy .....	1,825,581	80,512	0	718,246	233,979	109,596	620,242	500	62,506
Dept of Health & Human Svcs, total .....	4,014,893	3,373,845	180,989	36,146	11,546	37,963	43,406	109,912	221,086
Administration on Aging .....	3,000	0	0	0	0	0	0	3,000	0
Admin for Children & Families .....	11,200	0	0	0	0	0	0	11,200	0
Agcy for Hlth Care Policy & Rsch .....	124,000	57,864	1,116	0	0	10,764	0	22,245	32,011
Centers for Disease Control & Prevention .....	317,385	317,385	0	0	0	0	0	0	0
Food & Drug Administration .....	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin .....	74,537	74,537	0	0	0	0	0	0	0
Health Resources & Services Admin .....	11,201	11,201	0	0	0	0	0	0	0
National Institutes of Health <sup>8</sup> .....	3,273,555	2,742,396	179,873	36,146	11,546	27,199	43,406	43,914	189,075
Office of the Secretary .....	9,121	0	0	0	0	0	0	9,121	0
Social Security Administration <sup>9</sup> .....	20,432	0	0	0	0	0	0	20,432	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmt .....	14,180	0	0	0	156	31	750	10,619	2,624
Department of the Interior, total .....	477,257	132,340	0	38,113	252,196	18,139	21,475	14,327	667
Bureau of Reclamation .....	5,997	0	0	0	0	0	5,997	0	0
Geological Survey <sup>10</sup> .....	306,248	2,826	0	38,113	237,178	16,609	11,198	324	0
Minerals Management Service .....	20,010	4	0	0	12,971	1,319	3,817	1,899	0
National Biological Service <sup>11 10</sup> .....	125,810	125,810	0	0	0	0	0	0	0
National Park Service <sup>11</sup> .....	19,192	3,700	0	0	2,047	211	463	12,104	667
Department of Justice, total .....	17,707	0	1,032	900	0	0	400	14,105	1,270
Bureau of Prisons .....	3,249	0	532	0	0	0	0	2,717	0
Immigration & Naturalization Svc .....	400	0	0	0	0	0	400	0	0
Office of Justice Programs .....	14,058	0	500	900	0	0	0	11,388	1,270
Department of Labor, total .....	16,648	0	0	0	0	0	0	16,648	0
Bureau of Labor Statistics .....	1,500	0	0	0	0	0	0	1,500	0
Employment & Training Admin .....	4,206	0	0	0	0	0	0	4,206	0
Occupational Safety & Hlth Admin .....	4,370	0	0	0	0	0	0	4,370	0
Office of the Secretary .....	2,872	0	0	0	0	0	0	2,872	0
Pension Benefit Guaranty Corp .....	102	0	0	0	0	0	0	102	0
Pension & Welfare Benefits Admin .....	3,598	0	0	0	0	0	0	3,598	0
Department of State .....	500	0	0	0	0	0	0	500	0
Department of Transportation, total .....	323,866	5,719	34,083	1,389	5,699	72,401	175,167	14,355	15,053
Coast Guard .....	4,930	0	590	0	581	1,315	2,444	0	0
Federal Aviation Administration .....	83,291	0	30,680	1,189	1,524	0	48,539	0	1,359
Federal Highway Administration .....	156,268	179	2,813	0	3,394	59,490	71,932	4,766	13,694
Federal Railroad Administration .....	22,545	0	0	0	0	504	22,041	0	0
Federal Transit Administration .....	10,866	0	0	0	25	684	4,678	5,479	0
Maritime Administration .....	2,450	0	0	0	125	0	2,163	162	0
National Highway Traffic Safety Administration .....	39,707	5,540	0	0	0	9,128	21,306	3,733	0
Office of the Secretary .....	590	0	0	0	50	0	525	15	0
Research & Special Programs Admin ..	3,219	0	0	200	0	1,280	1,539	200	0
Department of the Treasury, total .....	48,887	633	394	1,185	0	17,430	98	29,147	0
Bureau of Engraving & Printing .....	1,283	0	0	1,185	0	0	98	0	0
Internal Revenue Service .....	45,797	0	0	0	0	17,200	0	28,597	0
Office of Thrift Supervision .....	550	0	0	0	0	0	0	550	0
United States Customs Service .....	710	480	0	0	0	230	0	0	0
United States Secret Service <sup>12</sup> .....	547	153	394	0	0	0	0	0	0
Department of Veterans Affairs .....	206,416	190,334	15,891	0	0	0	191	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-42. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
<b>Other agencies:</b>									
Advisory Commission on Intergovernmental Relations .....	1,413	0	0	0	0	0	0	1,413	0
Appalachian Regional Commission .....	900	0	0	0	0	0	0	900	0
Environmental Protection Agency .....	331,330	91,595	0	0	141,791	0	97,944	0	0
Federal Communications Commission ....	2,268	0	0	80	0	128	1,531	529	0
Federal Trade Commission .....	564	0	0	0	0	0	0	564	0
<b>International Development Cooperation</b>									
Agency, total .....	270,382	259,991	0	0	0	0	0	7,844	2,547
Agency for Internat'l Dvlprmt .....	270,382	259,991	0	0	0	0	0	7,844	2,547
Library of Congress .....	1,594	0	0	0	0	0	0	0	1,594
Nat'l Aeronautics & Space Admin <sup>13</sup> .....	2,067,896	184,692	15,447	119,213	338,560	55,709	1,347,714	0	6,561
National Archives & Records Admin .....	120	0	0	120	0	0	0	0	0
<b>National Science Foundation</b>									
Nuclear Regulatory Commission .....	176,013	17,053	3,468	17,884	6,422	16,607	86,342	11,954	16,283
Nuclear Regulatory Commission .....	88,212	0	0	0	0	0	88,212	0	0
Tennessee Valley Authority .....	17,380	2,094	0	5,300	942	0	2,325	475	6,244
US Arms Control & Disarmament Agcy ...	1,146	50	0	516	0	135	50	195	200
United States Information Agency .....	289	0	0	0	0	0	289	0	0
US Internat'l Trade Commission .....	12,152	0	0	0	0	0	0	12,152	0

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 5 This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- 6 This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- 7 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- 8 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 9 As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- 10 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 11 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 12 The United States Secret Service was formerly listed as the Office of Protective Research.
- 13 The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies .....	14,095,711	5,253,977	352,746	1,161,725	1,411,410	910,483	4,116,045	454,837	434,488
Departments:									
Department of Agriculture, total .....	685,762	461,781	371	51,648	8,996	13,608	52,493	93,665	3,200
Agricultural Marketing Service .....	4,237	4,237	0	0	0	0	0	0	0
Agricultural Research Service <sup>1</sup> .....	258,728	217,103	0	31,101	2,245	1,221	7,058	0	0
Cooperative State Research, Education, & Extension Service <sup>2</sup> .....	225,419	154,774	0	15,384	1,880	0	19,936	33,445	0
Economic Research Service .....	47,818	0	0	0	0	0	0	47,818	0
Foreign Agricultural Service <sup>3</sup> .....	355	355	0	0	0	0	0	0	0
Forest Service .....	142,400	82,515	371	5,163	4,871	9,779	25,499	11,002	3,200
Grain Inspection Packers & Stockyards Administration <sup>4</sup> .....	2,797	2,797	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc .....	2,608	0	0	0	0	2,608	0	0	0
Rural Business-Cooperative Svc <sup>5</sup> .....	1,400	0	0	0	0	0	0	1,400	0
Department of Commerce, total .....	860,512	155,795	223	76,098	260,062	110,806	199,256	19,285	38,987
Bureau of the Census .....	2,564	0	223	0	0	1,615	0	664	62
Economic Development Admin .....	500	0	0	0	0	0	0	500	0
National Inst of Standards & Tech .....	371,790	39,079	0	55,637	189	91,202	185,474	209	0
Nat'l Oceanic & Atmospheric Admin .....	481,151	116,716	0	20,461	259,873	17,989	9,303	17,912	38,897
National Telecommunications & Information Administration .....	4,479	0	0	0	0	0	4,479	0	0
Office of the Secretary .....	28	0	0	0	0	0	0	0	28
Department of Defense, total .....	2,814,272	216,549	97,600	363,093	117,082	457,886	1,460,030	1,786	100,246
Department of the Army .....	458,641	70,713	7,391	36,776	18,867	52,806	270,188	368	1,532
Department of the Navy .....	568,346	16,596	16,767	151,123	19,664	19,609	339,757	0	4,830
Department of the Air Force .....	648,131	57,252	62,764	100,739	12,363	69,685	345,328	0	0
Defense Agencies, total .....	1,139,154	71,988	10,678	74,455	66,188	315,786	504,757	1,418	93,884
Ballistic Missile Defense Organization .....	74,594	0	0	22,739	0	21,536	30,319	0	0
Defense Advanced Research Projects Agency <sup>6</sup> .....	711,626	0	0	2,045	18,880	281,794	391,563	0	17,344
Defense Information Systems Agency .....	1,455	0	0	0	0	0	0	0	1,455
Defense Logistics Agency .....	7,981	0	7,981	0	0	0	0	0	0
Defense Nuclear Agency .....	168,417	2,688	0	37,149	2,841	1,847	49,355	0	74,537
Special Operations Command .....	21,787	664	0	0	0	0	20,575	0	548
Washington Headquarters Svcs <sup>7</sup> .....	153,294	68,636	2,697	12,522	44,467	10,609	12,945	1,418	0
Department of Education .....	138,164	12,503	3,278	0	0	819	6,556	115,008	0
Department of Energy .....	1,342,767	73,953	0	397,926	225,414	115,690	503,140	621	26,023
Dept of Health & Human Svcs, total .....	4,083,076	3,474,949	189,277	38,270	12,067	33,925	45,854	74,119	214,615
Admin for Children & Families .....	8,300	0	0	0	0	0	0	8,300	0
Agcy for Hlth Care Policy & Rsch .....	59,000	27,730	0	0	0	5,310	0	10,620	15,340
Centers for Disease Control & Prevention .....	323,181	323,181	0	0	0	0	0	0	0
Food & Drug Administration .....	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin .....	54,500	54,500	0	0	0	0	0	0	0
Health Resources & Services Admin .....	10,963	10,963	0	0	0	0	0	0	0
National Institutes of Health <sup>8</sup> .....	3,447,670	2,888,113	189,277	38,270	12,067	28,615	45,854	46,199	199,275
Office of the Secretary .....	9,000	0	0	0	0	0	0	9,000	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmnt .....	12,162	0	0	0	111	265	253	10,855	678
Department of the Interior, total .....	483,740	122,529	0	39,714	267,426	18,166	20,815	14,423	667
Bureau of Reclamation .....	4,523	0	0	0	0	0	4,523	0	0
Geological Survey <sup>9</sup> .....	439,069	118,790	0	39,714	251,473	17,138	11,623	331	0
Minerals Management Service .....	20,774	39	0	0	13,906	817	4,206	1,806	0
National Park Service <sup>10</sup> .....	19,374	3,700	0	0	2,047	211	463	12,286	667
Department of Justice, total .....	18,919	0	975	1,000	0	0	400	14,749	1,795
Bureau of Prisons .....	1,900	0	475	0	0	0	0	1,425	0
Drug Enforcement Administration .....	45	0	0	0	0	0	0	0	45
Immigration & Naturalization Svc .....	400	0	0	0	0	0	400	0	0
Office of Justice Programs .....	16,574	0	500	1,000	0	0	0	13,324	1,750
Department of Labor, total .....	13,187	0	0	0	0	0	0	13,187	0
Bureau of Labor Statistics .....	1,800	0	0	0	0	0	0	1,800	0
Employment & Training Admin .....	3,023	0	0	0	0	0	0	3,023	0
Occupational Safety & Hlth Admin .....	3,175	0	0	0	0	0	0	3,175	0
Office of the Secretary .....	2,871	0	0	0	0	0	0	2,871	0
Pension Benefit Guaranty Corp .....	53	0	0	0	0	0	0	53	0
Pension & Welfare Benefits Admin .....	2,265	0	0	0	0	0	0	2,265	0
Department of State .....	500	0	0	0	0	0	0	500	0
Department of Transportation, total .....	288,251	8,340	24,571	1,400	4,996	68,510	155,522	10,325	14,587
Coast Guard .....	5,010	0	673	0	673	1,248	2,416	0	0
Federal Aviation Administration .....	60,373	2,500	23,731	1,000	865	0	31,797	0	480
Federal Highway Administration .....	152,405	480	167	0	3,458	56,648	72,248	5,297	14,107
Federal Railroad Administration .....	19,913	0	0	0	0	314	19,599	0	0
Federal Transit Administration .....	5,515	0	0	0	0	389	4,602	524	0
National Highway Traffic Safety Administration .....	38,185	5,360	0	0	0	8,561	20,160	4,104	0
Research & Special Programs Admin ..	6,850	0	0	400	0	1,350	4,700	400	0
Department of the Treasury, total .....	50,209	160	424	1,881	0	14,500	2	33,242	0
Bureau of Engraving & Printing .....	1,223	0	0	1,221	0	0	2	0	0
Internal Revenue Service .....	47,196	0	0	0	0	14,500	0	32,696	0
Office of Thrift Supervision .....	546	0	0	0	0	0	0	546	0
United States Customs Service .....	660	0	0	660	0	0	0	0	0
United States Secret Service <sup>11</sup> .....	584	160	424	0	0	0	0	0	0
Department of Veterans Affairs .....	239,441	223,201	16,035	0	0	0	205	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-43. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1996**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
<b>Other agencies:</b>									
Advisory Commission on Intergovernmental Relations .....	1,402	0	0	0	0	0	0	1,402	0
Appalachian Regional Commission .....	900	0	0	0	0	0	0	900	0
Environmental Protection Agency .....	286,256	79,135	0	0	122,505	0	84,616	0	0
Federal Communications Commission ....	2,819	0	0	85	0	160	1,457	1,117	0
Federal Trade Commission .....	981	0	0	0	0	0	0	981	0
International Development Cooperation									
Agency, total .....	224,305	207,812	0	0	0	0	0	14,723	1,770
Agency for Internat'l Dvlprmt .....	224,305	207,812	0	0	0	0	0	14,723	1,770
Library of Congress .....	1,385	0	0	0	0	0	0	0	1,385
Nat'l Aeronautics & Space Admin <sup>12</sup> .....	2,272,339	198,730	16,498	163,643	385,210	59,938	1,440,437	0	7,883
National Archives & Records Admin .....	120	0	0	120	0	0	0	0	0
National Science Foundation .....	174,036	16,088	3,494	20,302	6,438	16,210	82,953	12,227	16,324
Nuclear Regulatory Commission .....	59,184	0	0	0	0	0	59,184	0	0
Social Security Administration <sup>13</sup> .....	8,292	0	0	0	0	0	0	8,292	0
Tennessee Valley Authority .....	19,340	2,452	0	6,205	1,103	0	2,722	555	6,303
US Arms Control & Disarmament Agcy ...	545	0	0	340	0	0	0	180	25
United States Information Agency .....	150	0	0	0	0	0	150	0	0
US Internat'l Trade Commission .....	12,695	0	0	0	0	0	0	12,695	0

- <sup>1</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- <sup>2</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- <sup>3</sup> The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- <sup>4</sup> The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- <sup>5</sup> This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- <sup>6</sup> This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- <sup>7</sup> Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- <sup>8</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- <sup>9</sup> As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- <sup>10</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- <sup>11</sup> The United States Secret Service was formerly listed as the Office of Protective Research.
- <sup>12</sup> The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.
- <sup>13</sup> As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997



**Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1997**

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies .....	14,441,282	5,256,213	355,855	1,212,600	1,459,057	941,505	4,254,452	500,889	460,711
Departments:									
Department of Agriculture, total .....	678,441	463,103	375	50,269	8,569	13,742	48,267	90,884	3,232
Agricultural Marketing Service .....	4,271	4,271	0	0	0	0	0	0	0
Agricultural Research Service <sup>1</sup> .....	264,715	223,090	0	31,101	2,245	1,221	7,058	0	0
Cooperative State Research, Education, & Extension Service <sup>2</sup> .....	208,945	149,215	0	13,953	1,404	0	15,454	28,919	0
Economic Research Service .....	49,452	0	0	0	0	0	0	49,452	0
Foreign Agricultural Service <sup>3</sup> .....	355	355	0	0	0	0	0	0	0
Forest Service .....	143,829	83,342	375	5,215	4,920	9,877	25,755	11,113	3,232
Grain Inspection Packers & Stockyards Administration <sup>4</sup> .....	2,830	2,830	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc .....	2,644	0	0	0	0	2,644	0	0	0
Rural Business-Cooperative Svc <sup>5</sup> .....	1,400	0	0	0	0	0	0	1,400	0
Department of Commerce, total .....	829,786	143,992	223	76,194	270,530	99,447	176,760	21,087	41,553
Bureau of the Census .....	2,564	0	223	0	0	1,615	0	664	62
Economic Development Admin .....	1,500	0	0	0	0	0	0	1,500	0
National Inst of Standards & Tech .....	327,834	30,121	0	55,860	192	78,760	162,689	212	0
Nat'l Oceanic & Atmospheric Admin .....	493,143	113,871	0	20,334	270,338	19,072	9,326	18,711	41,491
National Telecommunications & Information Administration .....	4,745	0	0	0	0	0	4,745	0	0
Department of Defense, total .....	2,715,785	186,881	97,943	339,490	90,670	461,837	1,431,825	3,125	104,014
Department of the Army .....	467,291	66,093	9,052	36,493	21,102	53,621	275,337	476	5,117
Department of the Navy .....	466,971	13,635	13,776	124,168	16,156	16,111	279,156	0	3,969
Department of the Air Force .....	638,576	60,591	64,495	97,086	8,724	63,095	344,585	0	0
Defense Agencies, total .....	1,142,947	46,562	10,620	81,743	44,688	329,010	532,747	2,649	94,928
Ballistic Missile Defense Organization .....	86,377	0	0	32,257	0	24,800	29,320	0	0
Defense Advanced Research Projects Agency <sup>6</sup> .....	722,751	0	0	1,068	0	295,006	417,749	0	8,928
Defense Information Systems Agency .....	1,849	0	0	0	0	0	0	0	1,849
Defense Logistics Agency .....	7,785	0	7,785	0	0	0	0	0	0
Defense Nuclear Agency .....	196,954	4,032	0	42,995	1,910	2,247	61,997	0	83,773
Special Operations Command .....	15,048	459	0	0	0	0	14,211	0	378
Washington Headquarters Svcs <sup>7</sup> .....	112,183	42,071	2,835	5,423	42,778	6,957	9,470	2,649	0
Department of Education .....	139,773	12,186	3,331	0	0	833	6,663	116,760	0
Department of Energy .....	1,540,558	57,151	0	431,220	236,235	128,402	654,307	553	32,690
Dept of Health & Human Svcs, total .....	4,209,864	3,573,099	192,618	38,945	12,280	36,051	46,663	87,396	222,812
Admin for Children & Families .....	17,522	0	0	0	0	0	0	17,522	0
Agcy for Hlth Care Policy & Rsch .....	77,000	36,190	0	0	0	6,930	0	13,860	20,020
Centers for Disease Control & Prevention .....	361,181	361,181	0	0	0	0	0	0	0
Food & Drug Administration .....	170,462	170,462	0	0	0	0	0	0	0
Health Care Financing Admin .....	55,310	55,310	0	0	0	0	0	0	0
Health Resources & Services Admin .....	10,868	10,868	0	0	0	0	0	0	0
National Institutes of Health <sup>8</sup> .....	3,508,521	2,939,088	192,618	38,945	12,280	29,121	46,663	47,014	202,792
Office of the Secretary .....	9,000	0	0	0	0	0	0	9,000	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1997**

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Dept of Housing & Urban Dvlpmnt .....	16,690	0	0	0	133	136	296	14,935	1,190
Department of the Interior, total .....	489,214	128,649	0	38,984	265,663	18,247	21,631	15,373	667
Bureau of Reclamation .....	5,730	0	0	0	0	0	5,730	0	0
Geological Survey <sup>9</sup> .....	442,618	124,910	0	38,984	249,636	17,215	11,514	359	0
Minerals Management Service .....	20,579	39	0	0	13,980	821	3,924	1,815	0
National Park Service <sup>10</sup> .....	20,287	3,700	0	0	2,047	211	463	13,199	667
Department of Justice, total .....	22,811	0	475	1,000	0	0	400	19,902	1,034
Bureau of Prisons .....	1,900	0	475	0	0	0	0	1,425	0
Drug Enforcement Administration .....	50	0	0	0	0	0	0	0	50
Immigration & Naturalization Svc .....	400	0	0	0	0	0	400	0	0
Office of Justice Programs .....	20,461	0	0	1,000	0	0	0	18,477	984
Department of Labor, total .....	12,470	0	0	0	0	0	0	12,270	200
Bureau of Labor Statistics .....	1,300	0	0	0	0	0	0	1,300	0
Employment & Training Admin .....	2,375	0	0	0	0	0	0	2,375	0
Occupational Safety & Hlth Admin .....	3,495	0	0	0	0	0	0	3,495	0
Office of the Secretary .....	2,918	0	0	0	0	0	0	2,718	200
Pension Benefit Guaranty Corp .....	54	0	0	0	0	0	0	54	0
Pension & Welfare Benefits Admin .....	2,328	0	0	0	0	0	0	2,328	0
Department of State .....	500	0	0	0	0	0	0	500	0
Department of Transportation, total .....	339,998	12,141	25,274	2,558	6,199	89,951	170,980	10,663	22,232
Coast Guard .....	4,944	0	618	0	610	1,208	2,508	0	0
Federal Aviation Administration .....	67,570	4,178	24,543	2,258	1,696	0	28,711	0	6,184
Federal Highway Administration .....	181,043	553	113	0	3,808	76,704	78,941	4,876	16,048
Federal Railroad Administration .....	23,495	0	0	0	0	100	23,395	0	0
Federal Transit Administration .....	5,802	0	0	0	0	113	5,120	569	0
Maritime Administration .....	2,006	0	0	0	85	0	1,836	85	0
National Highway Traffic Safety Administration .....	45,663	7,410	0	0	0	10,376	23,044	4,833	0
Research & Special Programs Admin ..	9,475	0	0	300	0	1,450	7,425	300	0
Department of the Treasury, total .....	53,872	510	455	1,394	0	14,500	100	36,913	0
Bureau of Engraving & Printing .....	1,144	0	0	1,044	0	0	100	0	0
Internal Revenue Service .....	50,830	0	0	0	0	14,500	0	36,330	0
Office of Thrift Supervision .....	583	0	0	0	0	0	0	583	0
United States Customs Service .....	700	350	0	350	0	0	0	0	0
United States Secret Service <sup>11</sup> .....	615	160	455	0	0	0	0	0	0
Department of Veterans Affairs .....	222,520	207,300	15,020	0	0	0	200	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-44. Preliminary Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1997**

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
<b>Other agencies:</b>									
Appalachian Regional Commission .....	900	0	0	0	0	0	0	900	0
Environmental Protection Agency .....	335,468	92,740	0	0	143,565	0	99,163	0	0
Federal Communications Commission ....	2,749	0	0	90	0	142	1,485	1,032	0
Federal Trade Commission .....	1,034	0	0	0	0	0	0	1,034	0
International Development Cooperation Agency, total .....	167,870	150,962	0	0	0	0	0	14,247	2,661
Agency for Internat'l Dvlpmnt .....	167,870	150,962	0	0	0	0	0	14,247	2,661
Library of Congress .....	1,428	0	0	0	0	0	0	0	1,428
Nat'l Aeronautics & Space Admin <sup>12</sup> .....	2,355,587	200,942	16,530	208,901	415,170	60,595	1,444,474	0	8,975
National Archives & Records Admin .....	120	0	0	120	0	0	0	0	0
National Science Foundation .....	189,303	17,528	3,611	22,009	7,087	17,513	91,113	12,886	17,556
Nuclear Regulatory Commission .....	59,014	0	0	0	0	0	59,014	0	0
Social Security Administration <sup>13</sup> .....	27,698	0	0	0	0	0	0	27,698	0
Tennessee Valley Authority .....	14,182	8,999	0	916	2,956	29	945	0	337
US Arms Control & Disarmament Agcy ...	1,000	30	0	510	0	80	30	220	130
United States Information Agency .....	136	0	0	0	0	0	136	0	0
US Internat'l Trade Commission .....	12,511	0	0	0	0	0	0	12,511	0

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
- 4 The Federal Grain Inspection Service was abolished on Oct. 20, 1994, and its functions were assumed by the Grain Inspection Packers & Stockyards Administration.
- 5 This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- 6 This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- 7 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- 8 Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- 9 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 10 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 11 The United States Secret Service was formerly listed as the Office of Protective Research.
- 12 The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.
- 13 As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies .....	345,247	28,081	134,073	183,093	5,224,137	1,605,244	601,717	365,751	2,364,013	287,412
Departments:										
Department of Agriculture, total .....	403	0	403	0	477,910	54,123	146,229	265,314	12,239	5
Agricultural Marketing Service .....	0	0	0	0	4,180	0	0	4,180	0	0
Agricultural Research Service <sup>1</sup> .....	0	0	0	0	223,335	5,620	33,922	180,116	3,672	5
Cooperative State Research, Education, & Extension Service <sup>2</sup> .....	0	0	0	0	159,092	31,589	44,749	78,005	4,749	0
Foreign Agricultural Service <sup>3</sup> .....	0	0	0	0	114	0	0	114	0	0
Forest Service .....	403	0	403	0	89,705	16,914	67,558	1,415	3,818	0
Grain Inspection Packers & Stockyards Administration <sup>4</sup> .....	0	0	0	0	1,484	0	0	1,484	0	0
Department of Commerce, total .....	228	0	228	0	150,274	37,594	70,708	21,847	19,284	841
Bureau of the Census .....	228	0	228	0	0	0	0	0	0	0
National Inst of Standards & Tech .....	0	0	0	0	33,233	18,771	0	0	14,462	0
Nat'l Oceanic & Atmospheric Admin .....	0	0	0	0	117,041	18,823	70,708	21,847	4,822	841
Department of Defense, total .....	89,624	4,289	80,127	5,208	245,122	22,428	31,912	0	152,105	38,677
Department of the Army .....	9,907	640	9,267	0	124,841	6,748	1,561	0	116,532	0
Department of the Navy .....	13,881	2,118	11,763	0	13,740	5,881	1,601	0	6,258	0
Department of the Air Force .....	58,112	869	52,035	5,208	54,276	0	28,370	0	21,567	4,339
Defense Agencies, total .....	7,724	662	7,062	0	52,265	9,799	380	0	7,748	34,338
Defense Logistics Agency .....	7,062	0	7,062	0	0	0	0	0	0	0
Defense Nuclear Agency .....	0	0	0	0	4,411	4,361	0	0	50	0
Special Operations Command .....	0	0	0	0	1,218	0	0	0	0	1,218
Washington Headquarters Svcs <sup>5</sup> .....	662	662	0	0	46,636	5,438	380	0	7,698	33,120
Department of Education .....	3,688	0	2,576	1,112	11,973	0	0	0	4,721	7,252
Department of Energy .....	0	0	0	0	80,512	28,239	1,841	0	47,374	3,058
Dept of Health & Human Svcs, total .....	180,989	7,301	3,112	170,576	3,373,845	1,295,857	15,144	62,135	1,832,396	168,313
Agcy for Hlth Care Policy & Rsch .....	1,116	21	732	363	57,864	0	0	0	46,619	11,245
Centers for Disease Control & Prevention .....	0	0	0	0	317,385	0	0	0	317,385	0
Food & Drug Administration .....	0	0	0	0	170,462	90,337	0	62,135	0	17,990
Health Care Financing Admin .....	0	0	0	0	74,537	0	0	0	0	74,537
Health Resources & Services Admin .....	0	0	0	0	11,201	0	0	0	11,201	0
National Institutes of Health <sup>6</sup> .....	179,873	7,280	2,380	170,213	2,742,396	1,205,520	15,144	0	1,457,191	64,541
Department of the Interior, total .....	0	0	0	0	132,340	69,209	62,930	201	0	0
Geological Survey <sup>7</sup> .....	0	0	0	0	2,826	1,270	1,424	132	0	0
Minerals Management Service .....	0	0	0	0	4	0	4	0	0	0
National Biological Service <sup>8</sup> 7 .....	0	0	0	0	125,810	66,679	59,131	0	0	0
National Park Service <sup>8</sup> .....	0	0	0	0	3,700	1,260	2,371	69	0	0
Department of Justice, total .....	1,032	0	625	407	0	0	0	0	0	0
Bureau of Prisons .....	532	0	325	207	0	0	0	0	0	0
Office of Justice Programs .....	500	0	300	200	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-45. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995**

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Department of Transportation, total .....	34,083	0	31,641	2,442	5,719	0	36	143	0	5,540
Coast Guard .....	590	0	590	0	0	0	0	0	0	0
Federal Aviation Administration .....	30,680	0	30,680	0	0	0	0	0	0	0
Federal Highway Administration .....	2,813	0	371	2,442	179	0	36	143	0	0
National Highway Traffic Safety Administration .....	0	0	0	0	5,540	0	0	0	0	5,540
Department of the Treasury, total .....	394	0	0	394	633	480	0	0	153	0
United States Customs Service .....	0	0	0	0	480	480	0	0	0	0
United States Secret Service <sup>9</sup> .....	394	0	0	394	153	0	0	0	153	0
Department of Veterans Affairs .....	15,891	15,861	30	0	190,334	31,523	0	0	158,811	0
Other agencies:										
Environmental Protection Agency .....	0	0	0	0	91,595	0	74,223	0	17,372	0
International Development Cooperation Agency, total .....	0	0	0	0	259,991	0	184,685	14,017	8,240	53,049
Agency for Internat'l Dvlpmt .....	0	0	0	0	259,991	0	184,685	14,017	8,240	53,049
Nat'l Aeronautics & Space Admin <sup>10</sup> .....	15,447	0	14,247	1,200	184,692	59,094	5,894	0	111,318	8,386
National Science Foundation .....	3,468	630	1,084	1,754	17,053	6,697	8,115	0	0	2,241
Tennessee Valley Authority .....	0	0	0	0	2,094	0	0	2,094	0	0
US Arms Control & Disarmament Agcy ...	0	0	0	0	50	0	0	0	0	50

- 1 The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- 2 The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- 3 The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.
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- 5 Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
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- 7 As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- 8 The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- 9 The United States Secret Service was formerly listed as the Office of Protective Research.
- 10 The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chem- istry	Physics	Physical sciences, n.e.c.	Total	Atmos- pheric	Geo- logical	Ocean- ography	Environ- mental sciences, n.e.c.
Total, all agencies .....	1,418,542	32,901	309,102	943,798	132,741	1,474,178	482,068	410,491	238,139	343,480
Departments:										
Department of Agriculture, total .....	48,136	0	45,262	2,874	0	9,293	7,897	1,392	0	4
Agricultural Research Service <sup>1</sup> .....	26,650	0	25,268	1,382	0	2,045	1,891	150	0	4
Cooperative State Research, Education, & Extension Service <sup>2</sup> .....	15,874	0	15,874	0	0	1,953	1,953	0	0	0
Forest Service .....	5,612	0	4,120	1,492	0	5,295	4,053	1,242	0	0
Department of Commerce, total .....	74,408	0	31,883	41,787	738	290,536	140,884	43,368	95,930	10,354
National Inst of Standards & Tech .....	52,967	0	20,178	32,051	738	165	0	165	0	0
Nat'l Oceanic & Atmospheric Admin .....	21,441	0	11,705	9,736	0	290,371	140,884	43,203	95,930	10,354
Department of Defense, total .....	356,906	0	57,263	268,857	30,786	183,058	55,814	34,748	37,974	54,522
Department of the Army .....	58,538	0	31,618	15,679	11,241	29,377	6,486	813	486	21,592
Department of the Navy .....	125,115	0	11,621	110,717	2,777	16,280	3,059	1,459	11,762	0
Department of the Air Force .....	98,108	0	4,984	92,581	543	7,781	1,221	1,435	0	5,125
Defense Agencies, total .....	75,145	0	9,040	49,880	16,225	129,620	45,048	31,041	25,726	27,805
Ballistic Missile Defense Organization .....	16,232	0	3,645	11,587	1,000	4,553	4,553	0	0	0
Defense Advanced Research Projects Agency <sup>3</sup> .....	7,724	0	395	4,678	2,651	23,844	0	17,151	6,666	27
Defense Nuclear Agency .....	46,189	0	0	33,615	12,574	12,490	5,760	0	0	6,730
Washington Headquarters Svcs <sup>4</sup> .....	5,000	0	5,000	0	0	88,733	34,735	13,890	19,060	21,048
Department of Energy .....	718,246	0	86,946	548,415	82,885	233,979	8,996	48,677	1,410	174,896
Dept of Health & Human Svcs, total .....	36,146	0	31,342	4,804	0	11,546	0	0	0	11,546
National Institutes of Health <sup>5</sup> .....	36,146	0	31,342	4,804	0	11,546	0	0	0	11,546
Dept of Housing & Urban Dvlpmt .....	0	0	0	0	0	156	0	0	0	156
Department of the Interior, total .....	38,113	0	31,761	6,352	0	252,196	3,126	236,427	12,643	0
Geological Survey <sup>6</sup> .....	38,113	0	31,761	6,352	0	237,178	751	236,427	0	0
Minerals Management Service .....	0	0	0	0	0	12,971	402	0	12,569	0
National Park Service <sup>7</sup> .....	0	0	0	0	0	2,047	1,973	0	74	0
Department of Justice, total .....	900	0	300	0	600	0	0	0	0	0
Office of Justice Programs .....	900	0	300	0	600	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-46. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chem- istry	Physics	Physical sciences, n.e.c.	Total	Atmos- pheric	Geo- logical	Ocean- ography	Environ- mental sciences, n.e.c.
Department of Transportation, total .....	1,389	0	0	1,189	200	5,699	3,627	102	581	1,389
Coast Guard .....	0	0	0	0	0	581	0	0	581	0
Federal Aviation Administration .....	1,189	0	0	1,189	0	1,524	1,524	0	0	0
Federal Highway Administration .....	0	0	0	0	0	3,394	1,978	77	0	1,339
Federal Transit Administration .....	0	0	0	0	0	25	0	25	0	0
Maritime Administration .....	0	0	0	0	0	125	125	0	0	0
Office of the Secretary .....	0	0	0	0	0	50	0	0	0	50
Research & Special Programs Admin ..	200	0	0	0	200	0	0	0	0	0
Department of the Treasury, total .....	1,185	0	233	142	810	0	0	0	0	0
Bureau of Engraving & Printing .....	1,185	0	233	142	810	0	0	0	0	0
Other agencies:										
Environmental Protection Agency .....	0	0	0	0	0	141,791	66,120	9,225	0	66,446
Federal Communications Commission ....	80	0	0	0	80	0	0	0	0	0
Nat'l Aeronautics & Space Admin <sup>8</sup> .....	119,213	32,872	8,465	64,859	13,017	338,560	193,825	33,168	88,311	23,256
National Archives & Records Admin .....	120	0	80	40	0	0	0	0	0	0
National Science Foundation .....	17,884	29	10,023	4,309	3,523	6,422	837	3,384	1,290	911
Tennessee Valley Authority .....	5,300	0	5,300	0	0	942	942	0	0	0
US Arms Control & Disarmament Agcy ...	516	0	244	170	102	0	0	0	0	0

<sup>1</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

<sup>2</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

<sup>3</sup> This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

<sup>4</sup> Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

<sup>5</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>6</sup> As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

<sup>7</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

<sup>8</sup> The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-47. Federal obligations for applied research in engineering, by agency  
and detailed field of engineering: fiscal year 1995**

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metallurgy and materials	Engi- neering, n.e.c.
Total, all agencies .....	4,272,015	977,616	480,387	184,896	269,298	552,292	248,184	447,269	1,112,073
Departments:									
Department of Agriculture, total .....	54,656	0	0	5,347	5,126	237	2,936	0	41,010
Agricultural Research Service <sup>1</sup> .....	6,564	0	0	3,485	1,143	170	355	0	1,411
Cooperative State Research, Education, & Extension Service <sup>2</sup> .....	20,371	0	0	0	0	0	0	0	20,371
Forest Service .....	27,721	0	0	1,862	3,983	67	2,581	0	19,228
Department of Commerce, total .....	179,671	0	0	11,354	11,637	55,798	5,612	55,597	39,673
National Inst of Standards & Tech .....	163,875	0	0	11,354	11,637	47,507	5,612	55,597	32,168
Nat'l Oceanic & Atmospheric Admin .....	9,413	0	0	0	0	1,908	0	0	7,505
National Telecommunications & Information Administration .....	6,383	0	0	0	0	6,383	0	0	0
Department of Defense, total .....	1,545,815	106,512	81,441	37,019	72,384	411,408	175,272	328,218	333,561
Department of the Army .....	322,964	23,523	1,242	15,074	38,995	118,900	46,721	17,729	60,780
Department of the Navy .....	281,284	7,011	44,089	7,011	13,034	100,741	59,852	47,665	1,881
Department of the Air Force .....	322,780	71,526	33,910	6,247	11,652	77,082	57,581	54,586	10,196
Defense Agencies, total .....	618,787	4,452	2,200	8,687	8,703	114,685	11,118	208,238	260,704
Ballistic Missile Defense Organization .....	46,225	0	2,000	1,119	0	9,001	148	3,823	30,134
Defense Advanced Research Projects Agency <sup>3</sup> .....	462,077	4,052	0	0	7,087	75,323	511	204,015	171,089
Defense Nuclear Agency .....	57,480	0	0	2,068	1,616	29,755	10,059	0	13,982
Special Operations Command .....	37,693	0	0	0	0	0	0	0	37,693
Washington Headquarters Svcs <sup>4</sup> .....	15,312	400	200	5,500	0	606	400	400	7,806
Department of Education .....	5,737	0	0	0	0	0	0	0	5,737
Department of Energy .....	620,242	0	11,633	98,937	52,478	50,721	21,877	4,083	380,513
Dept of Health & Human Svcs, total .....	43,406	0	0	0	0	0	0	0	43,406
National Institutes of Health <sup>5</sup> .....	43,406	0	0	0	0	0	0	0	43,406
Dept of Housing & Urban Dvlpmt .....	750	0	0	0	0	0	0	0	750
Department of the Interior, total .....	21,475	0	0	12,318	7,864	126	836	135	196
Bureau of Reclamation .....	5,997	0	0	0	5,967	30	0	0	0
Geological Survey <sup>6</sup> .....	11,198	0	0	10,164	781	96	157	0	0
Minerals Management Service .....	3,817	0	0	2,154	653	0	679	135	196
National Park Service <sup>7</sup> .....	463	0	0	0	463	0	0	0	0
Department of Justice, total .....	400	0	0	0	0	175	225	0	0
Immigration & Naturalization Svc .....	400	0	0	0	0	175	225	0	0

See explanatory information, if any, and SOURCE at end of table.



**Table C-47. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1995**

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metallurgy and materials	Engi-neering, n.e.c.
Department of Transportation, total .....	175,167	275	0	54	114,776	2,771	20,274	10,255	26,762
Coast Guard .....	2,444	0	0	0	408	1,104	485	447	0
Federal Aviation Administration .....	48,539	0	0	0	40,541	0	0	7,998	0
Federal Highway Administration .....	71,932	0	0	54	68,201	77	1,226	1,060	1,314
Federal Railroad Administration .....	22,041	0	0	0	3,648	1,323	9,923	750	6,397
Federal Transit Administration .....	4,678	0	0	0	190	267	240	0	3,981
Maritime Administration .....	2,163	0	0	0	1,788	0	0	0	375
National Highway Traffic Safety Administration .....	21,306	0	0	0	0	0	8,400	0	12,906
Office of the Secretary .....	525	275	0	0	0	0	0	0	250
Research & Special Programs Admin ..	1,539	0	0	0	0	0	0	0	1,539
Department of the Treasury, total .....	98	0	0	0	0	0	0	0	98
Bureau of Engraving & Printing .....	98	0	0	0	0	0	0	0	98
Department of Veterans Affairs .....	191	0	0	0	0	0	0	0	191
Other agencies:									
Environmental Protection Agency .....	97,944	0	0	2,159	0	0	0	0	95,785
Federal Communications Commission ....	1,531	0	0	0	0	1,531	0	0	0
Nat'l Aeronautics & Space Admin <sup>8</sup> .....	1,347,714	870,829	387,313	608	0	17,798	7,956	32,685	30,525
National Science Foundation .....	86,342	0	0	14,775	5,033	11,438	13,196	16,296	25,604
Nuclear Regulatory Commission .....	88,212	0	0	0	0	0	0	0	88,212
Tennessee Valley Authority .....	2,325	0	0	2,325	0	0	0	0	0
US Arms Control & Disarmament Agcy ...	50	0	0	0	0	0	0	0	50
United States Information Agency .....	289	0	0	0	0	289	0	0	0

<sup>1</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

<sup>2</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

<sup>3</sup> This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

<sup>4</sup> Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

<sup>5</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

<sup>6</sup> As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

<sup>7</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

<sup>8</sup> The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995**

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies .....	976,915	94,638	697,585	184,692	472,039	6,611	161,806	15,232	33,533	254,857
Departments:										
Department of Agriculture, total .....	14,376	13,454	922	0	96,395	245	90,526	0	5,624	0
Agricultural Research Service <sup>1</sup> .....	1,048	126	922	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service <sup>2</sup> .....	0	0	0	0	34,430	0	29,766	0	4,664	0
Economic Research Service .....	0	0	0	0	48,444	0	48,444	0	0	0
Forest Service .....	10,631	10,631	0	0	11,960	245	10,755	0	960	0
Nat'l Agricultural Statistics Svc .....	2,697	2,697	0	0	0	0	0	0	0	0
Rural Business-Cooperative Svc <sup>3</sup> .....	0	0	0	0	1,561	0	1,561	0	0	0
Department of Commerce, total .....	101,673	12,390	83,341	5,942	18,827	0	5,362	7,690	5,229	546
Bureau of the Census .....	1,649	1,432	217	0	678	0	372	306	0	0
Economic Development Admin .....	0	0	0	0	521	0	521	0	0	0
National Inst of Standards & Tech .....	82,722	3,055	73,725	5,942	183	0	183	0	0	0
Nat'l Oceanic & Atmospheric Admin ....	17,302	7,903	9,399	0	17,445	0	4,286	7,384	5,229	546
Department of Defense, total .....	531,498	44,661	442,984	43,853	488	0	292	0	196	0
Department of the Army .....	80,418	4,490	42,366	33,562	488	0	292	0	196	0
Department of the Navy .....	16,233	470	14,916	847	0	0	0	0	0	0
Department of the Air Force .....	79,296	31,632	41,677	5,987	0	0	0	0	0	0
Defense Agencies, total .....	355,551	8,069	344,025	3,457	0	0	0	0	0	0
Ballistic Missile Defense Organization .....	23,501	1,000	22,441	60	0	0	0	0	0	0
Defense Advanced Research Projects Agency <sup>4</sup> .....	325,576	7,069	317,916	591	0	0	0	0	0	0
Defense Nuclear Agency .....	2,838	0	2,838	0	0	0	0	0	0	0
Washington Headquarters Svcs <sup>5</sup> .....	3,636	0	830	2,806	0	0	0	0	0	0
Department of Education .....	1,229	0	1,229	0	110,190	0	0	0	1,854	108,336
Department of Energy .....	109,596	489	80,396	28,711	500	500	0	0	0	0
Dept of Health & Human Svcs, total .....	37,963	13,633	24,330	0	109,912	0	14,344	2,502	2,159	90,907
Administration on Aging .....	0	0	0	0	3,000	0	0	0	0	3,000
Admin for Children & Families .....	0	0	0	0	11,200	0	0	0	0	11,200
Agcy for Hlth Care Policy & Rsch .....	10,764	128	10,636	0	22,245	0	14,344	2,502	2,159	3,240
National Institutes of Health <sup>6</sup> .....	27,199	13,505	13,694	0	43,914	0	0	0	0	43,914
Office of the Secretary .....	0	0	0	0	9,121	0	0	0	0	9,121
Social Security Administration <sup>7</sup> .....	0	0	0	0	20,432	0	0	0	0	20,432

See explanatory information, if any, and SOURCE at end of table.

**Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995**

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Dept of Housing & Urban Dvlpmt .....	31	0	31	0	10,619	0	6,103	331	748	3,437
Department of the Interior, total .....	18,139	3,049	13,771	1,319	14,327	4,782	76	0	1,852	7,617
Geological Survey <sup>8</sup> .....	16,609	3,049	13,560	0	324	0	0	0	0	324
Minerals Management Service .....	1,319	0	0	1,319	1,899	17	69	0	1,813	0
National Park Service <sup>9</sup> .....	211	0	211	0	12,104	4,765	7	0	39	7,293
Department of Justice, total .....	0	0	0	0	14,105	62	262	400	6,790	6,591
Bureau of Prisons .....	0	0	0	0	2,717	62	62	0	1,288	1,305
Office of Justice Programs .....	0	0	0	0	11,388	0	200	400	5,502	5,286
Department of Labor, total .....	0	0	0	0	16,648	0	16,648	0	0	0
Bureau of Labor Statistics .....	0	0	0	0	1,500	0	1,500	0	0	0
Employment & Training Admin .....	0	0	0	0	4,206	0	4,206	0	0	0
Occupational Safety & Hlth Admin .....	0	0	0	0	4,370	0	4,370	0	0	0
Office of the Secretary .....	0	0	0	0	2,872	0	2,872	0	0	0
Pension Benefit Guaranty Corp .....	0	0	0	0	102	0	102	0	0	0
Pension & Welfare Benefits Admin .....	0	0	0	0	3,598	0	3,598	0	0	0
Department of State .....	0	0	0	0	500	0	29	336	106	29
Department of Transportation, total .....	72,401	115	15,652	56,634	14,355	0	4,008	1,158	6,393	2,796
Coast Guard .....	1,315	0	1,315	0	0	0	0	0	0	0
Federal Highway Administration .....	59,490	115	3,145	56,230	4,766	0	2,111	779	741	1,135
Federal Railroad Administration .....	504	0	364	140	0	0	0	0	0	0
Federal Transit Administration .....	684	0	420	264	5,479	0	1,682	379	1,919	1,499
Maritime Administration .....	0	0	0	0	162	0	0	0	0	162
National Highway Traffic Safety Administration .....	9,128	0	9,128	0	3,733	0	0	0	3,733	0
Office of the Secretary .....	0	0	0	0	15	0	15	0	0	0
Research & Special Programs Admin ..	1,280	0	1,280	0	200	0	200	0	0	0
Department of the Treasury, total .....	17,430	0	17,430	0	29,147	0	1,508	0	0	27,639
Internal Revenue Service .....	17,200	0	17,200	0	28,597	0	958	0	0	27,639
Office of Thrift Supervision .....	0	0	0	0	550	0	550	0	0	0
United States Customs Service .....	230	0	230	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-48. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995**

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
<b>Other agencies:</b>										
Advisory Commission on Intergovernmental Relations .....	0	0	0	0	1,413	0	706	707	0	0
Appalachian Regional Commission .....	0	0	0	0	900	0	0	900	0	0
Federal Communications Commission .....	128	0	128	0	529	0	529	0	0	0
Federal Trade Commission .....	0	0	0	0	564	0	564	0	0	0
International Development Cooperation Agency, total .....	0	0	0	0	7,844	0	5,339	250	455	1,800
Agency for International Development .....	0	0	0	0	7,844	0	5,339	250	455	1,800
National Aeronautics & Space Administration <sup>10</sup> .....	55,709	3,784	8,832	43,093	0	0	0	0	0	0
National Science Foundation .....	16,607	3,063	8,539	5,005	11,954	1,022	2,883	763	2,127	5,159
Tennessee Valley Authority .....	0	0	0	0	475	0	475	0	0	0
US Arms Control & Disarmament Agency .....	135	0	0	135	195	0	0	195	0	0
US International Trade Commission .....	0	0	0	0	12,152	0	12,152	0	0	0

- <sup>1</sup> The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.
- <sup>2</sup> The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.
- <sup>3</sup> This agency's name changed from the Rural Business & Cooperative Development Service to the Rural Business-Cooperative Service on Jan. 30, 1996.
- <sup>4</sup> This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.
- <sup>5</sup> Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.
- <sup>6</sup> Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.
- <sup>7</sup> As of Mar. 31, 1995, the Social Security Administration became an independent agency; it is no longer part of the Department of Health & Human Services.
- <sup>8</sup> As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.
- <sup>9</sup> The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.
- <sup>10</sup> The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

**NOTE:** Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

**KEY:** n.e.c. = Not elsewhere classified

**SOURCE:** National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997